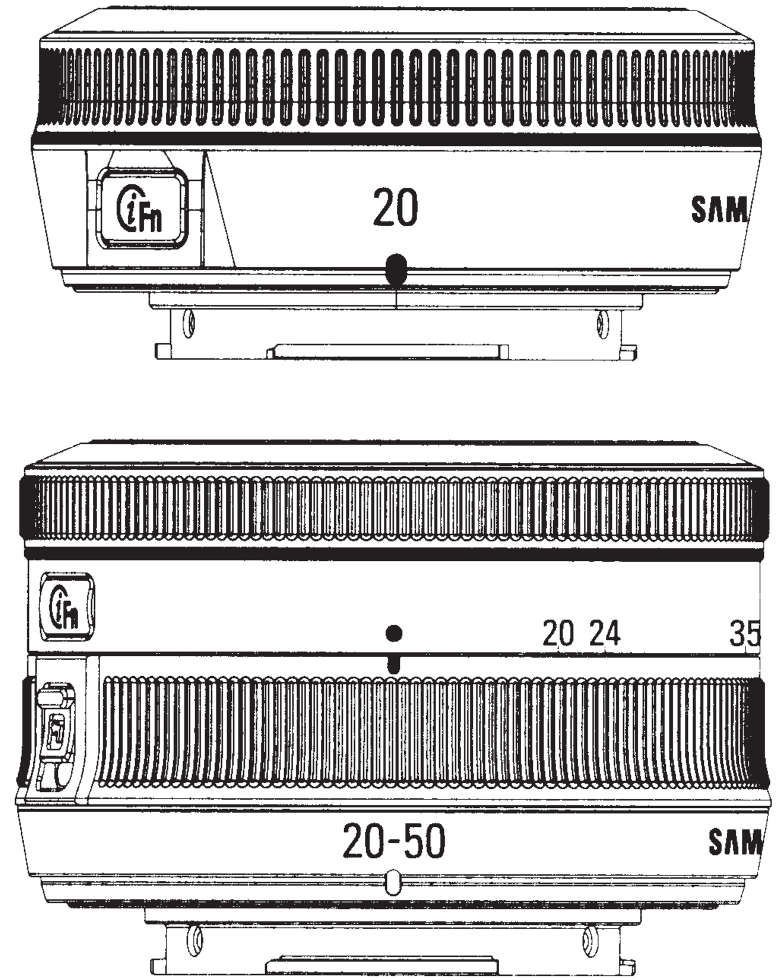
SAMSUNG

User Manual

SAMSUNG 20-50mm F3.5-6.3 ED, SAMSUNG 20mm F2.8

This User Manual has been specially designed to guide you through the basic functions and features of your device. Please read the User Manual carefully to ensure safe and correct use.

ENG / FRE / GER / SPA / ITA / POR / RUS / S.CHI / T.CHI / TUR / KOR



SAMSUNG 20-50mm / 20mm

Before using this device

Thank you for purchasing the Samsung Lens.

This lens is exclusively designed for the SAMSUNG NX series cameras and not compatible with the SAMSUNG GX-series digital cameras or other 35 mm film cameras. (Check model compatibility first before use.)

Please read this manual carefully before using the lens to ensure safe and correct use.

To use this device with NX5 or NX10 cameras, you must update the camera firmware. Please visit www.samsung.com to download the new firmware.

Health and safety information

Please read the following safety tips carefully for proper and safe use.

⚠ **Warning**	Situations that could cause injury to yourself or others
⚠ **Caution**	Situations that could cause damage to your lens, camera, or other devices

English

⚠ Warning

Do not stare at the sun through the lens or camera. This may cause severe damage to your eyes.

⚠ Caution

Do not store the lens in direct sunlight without the lens cap. Direct sunlight that passes through the lens may combust if it comes into contact with flammable materials.

Lens Storage and Maintenance

- Store the lens in dry and well ventilated areas.
- Do not store the lens in a closet, car, or confined area with chemicals.
- Do not store the lens in high temperature or humidity.
- The lens is not waterproof. Be careful not to allow it to get wet when using it near water.
- Do not use chemicals such as thinner, alcohol, or benzene to remove dust.
- Do not drop the lens or apply excessive shock to it. The lens is a precise optical product.
- Avoid using the lens anywhere there is a sudden temperature change. Keep the lens in a plastic bag or a camera case to prevent condensation from forming on the inside or outside of the lens.
- When not using the lens, place the lens cap and lens mount cover on the lens to prevent contamination from foreign particles and protect the lens.
- Do not keep the camera mounted on a tripod without the lens cap. The inside of the camera can be damaged by direct sunlight.
- Check the lens once every year or two for best performance.
- Do not apply excessive force to the front of the lens.

Contents

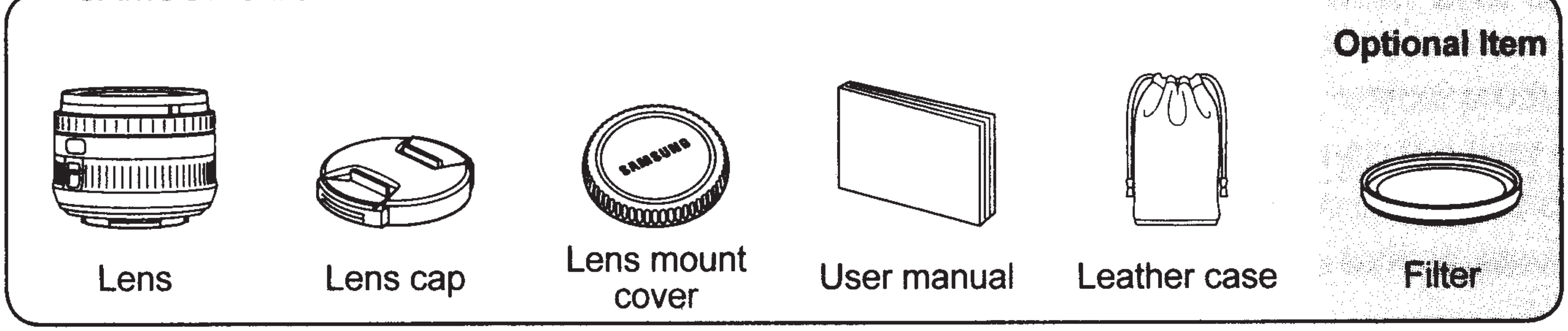
English

Unpacking

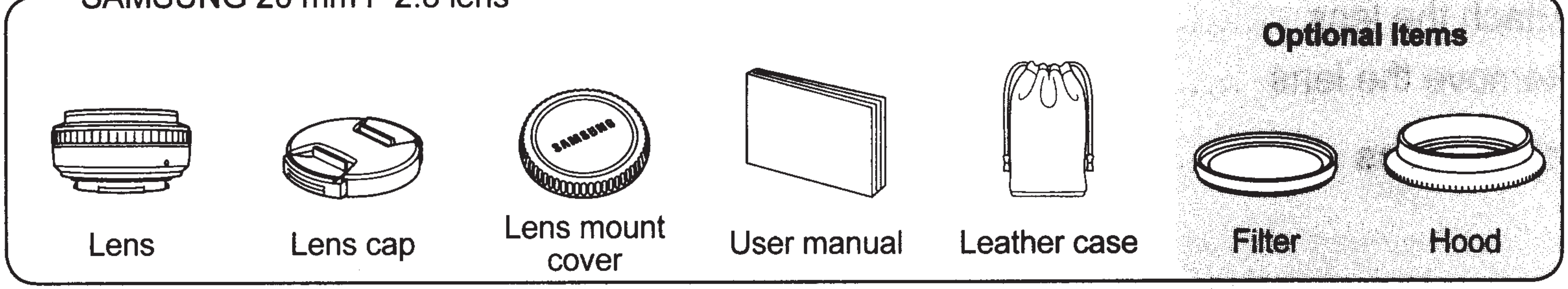
Check the product box for the following items:

Unpacking

SAMSUNG 20-50 mm F3.5-5.6 ED lens



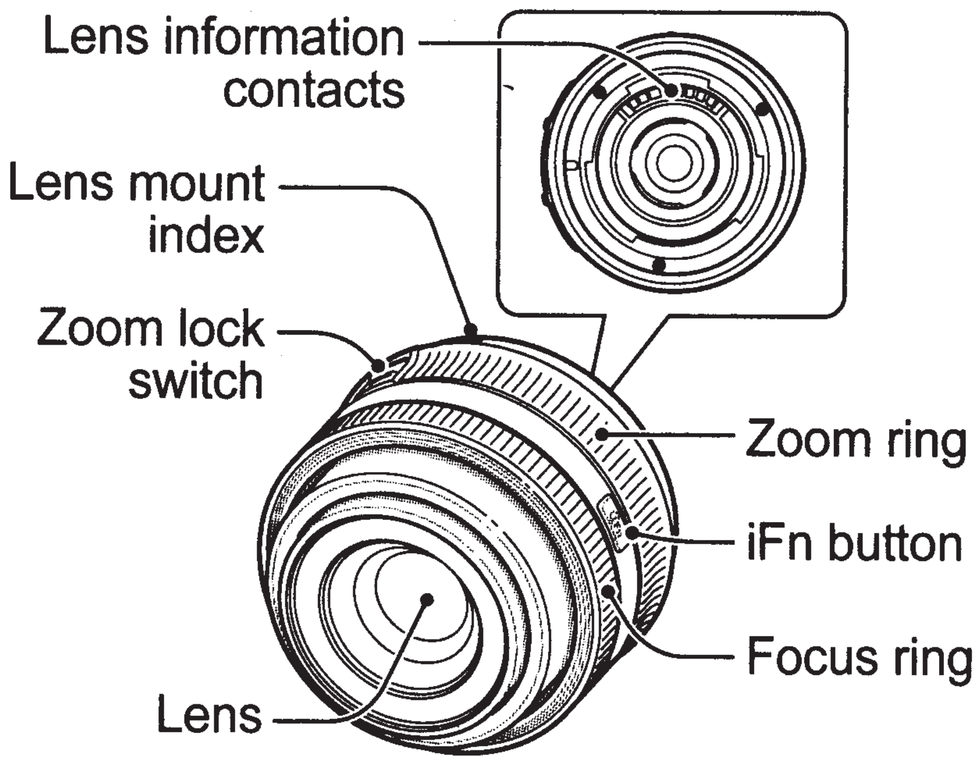
SAMSUNG 20 mm F 2.8 lens



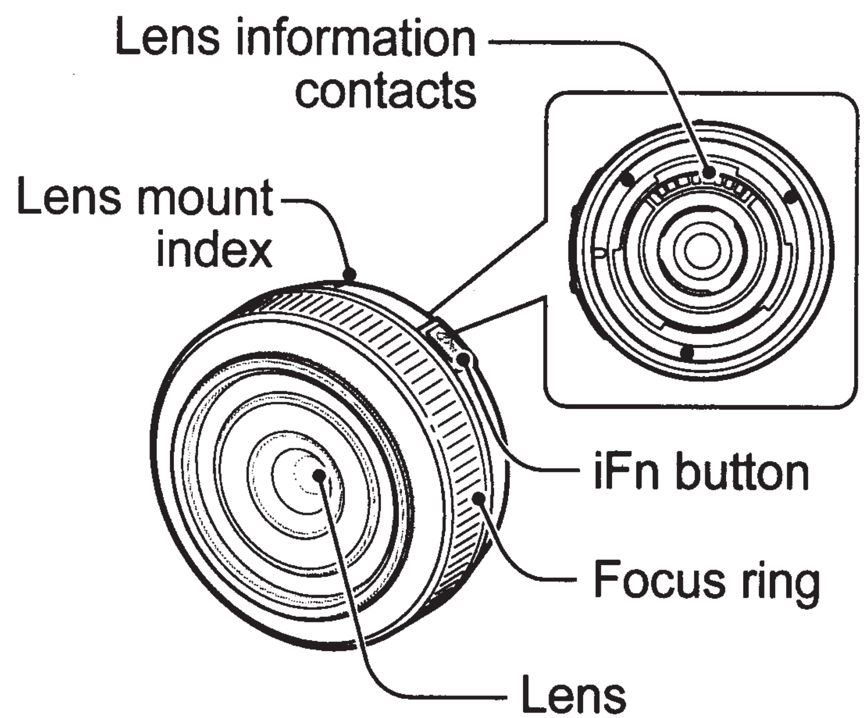
- The specifications of the lens or its components may differ depending on the model.
- The illustrations used in this manual may differ from the actual items.
- The illustrations in this manual are based on the Samsung 20-50 mm F3.5-5.6 ED lens.

Layouts

SAMSUNG 20-50 mm F3.5-5.6 ED lens



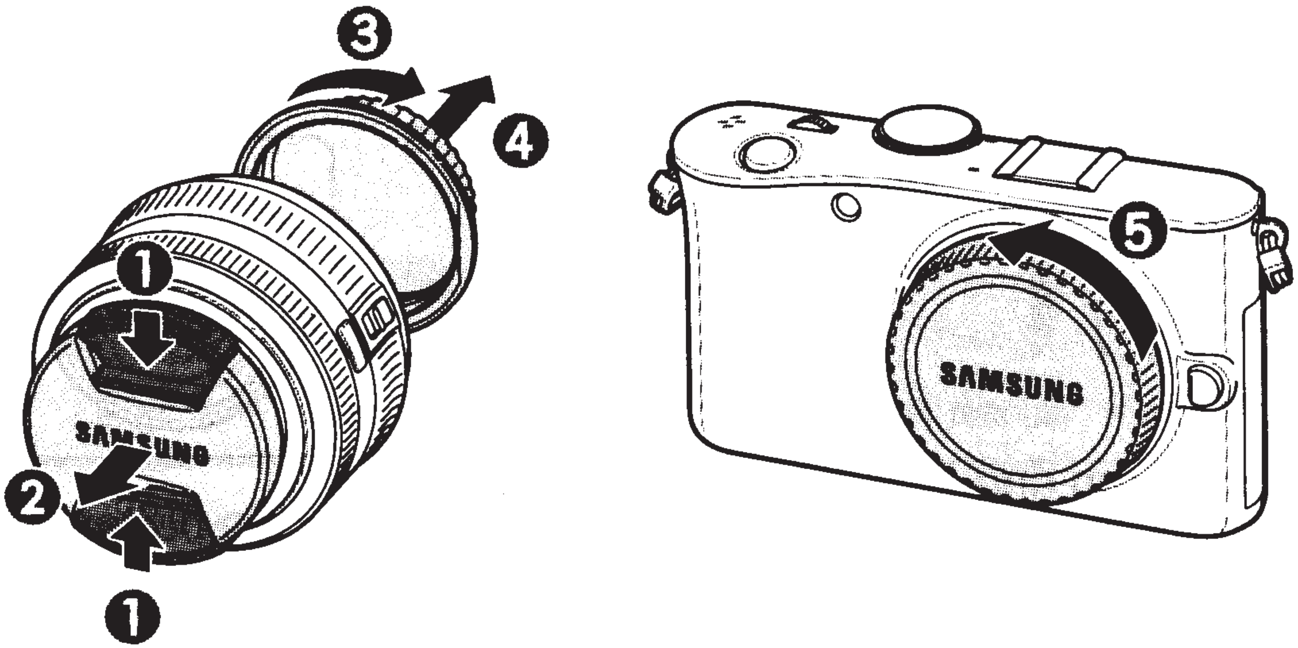
SAMSUNG 20 mm F2.8 lens



English

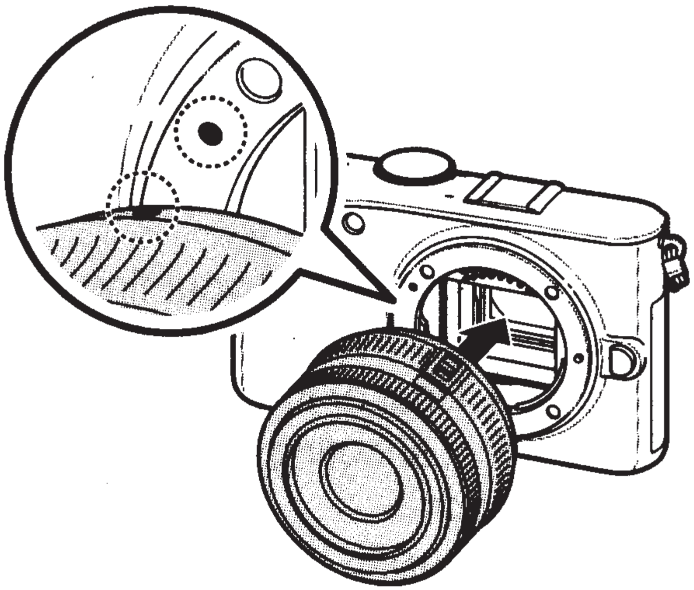
Attach/Remove the lens

Before mounting the lens remove the lens cap, lens mount cover, and body cap.

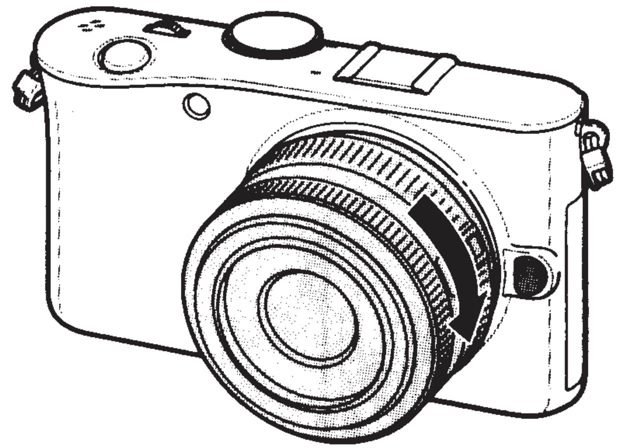


Attach the lens

1. Align the red mark on the lens with the red mark on the camera body.



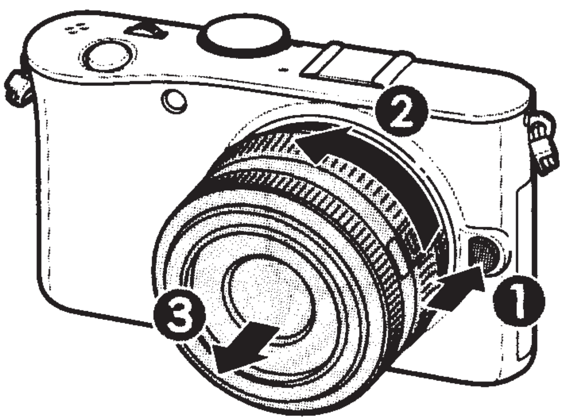
2. Rotate the lens clockwise until it locks into space.



You must unlock the Samsung 20-50 mm F3.5-5.6 ED lens before using it. Rotate the zoom ring counter-clockwise until you hear a click. When the zoom is locked, you can not take a shot and the **Lens is locked** message appears on the display.

Remove the lens

While pressing the lens release button, rotate the lens counter-clockwise to detach it from the camera body.

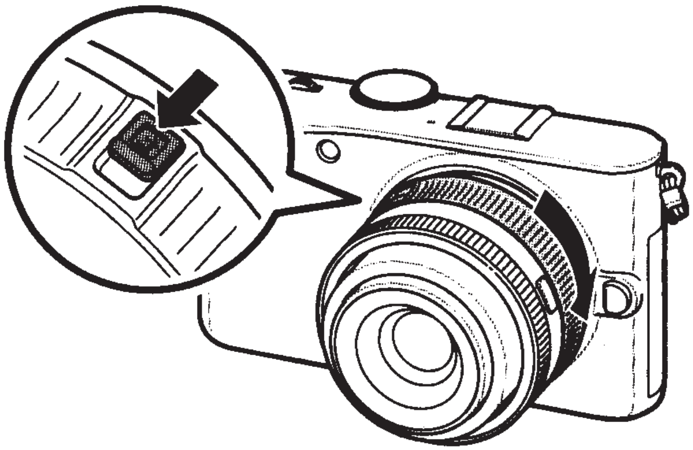


- For safe use of the lens, mount or dismount the lens while the camera is turned off.
- Samsung is not responsible for any damage incurred by using other manufacturers' lenses.

- When not using the lens, attach the lens cap and lens mount cover to protect the lens from dust and scratches.
- Make sure to only change lenses in a clean environment. Foreign particles may cause malfunction if they enter into the camera body or the lens.
- Be careful not to put your fingers into the lens mount when mounting the lens. Dust or foreign particles may affect shooting results or cause malfunction.
- When not using the lens, attach the body cap.

Lock the lens

To lock the SAMSUNG 20-50 mm F3.5-5.6 ED lens, pull and hold the zoom lock switch away from the camera body, and then rotate the zoom ring clockwise.

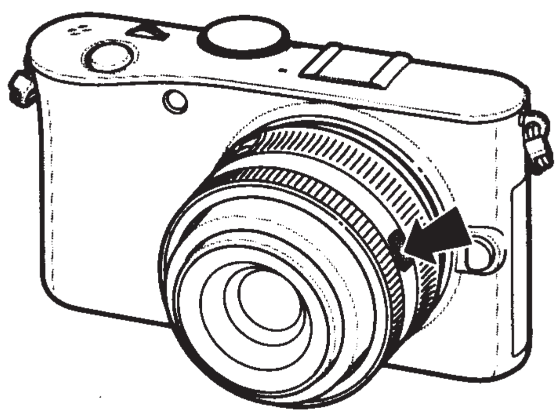


Use i-Scene mode

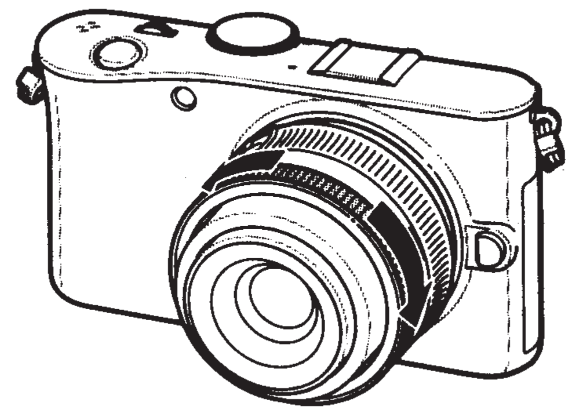
You can choose a preset i-Scene optimized for the lens you use. This mode is available only when your camera supports it. Available scenes may differ depending on the lens attached.

1 Rotate the mode dial to ⓘ.

2 Press [**iFn**].



3 Adjust the focus ring to select a scene.



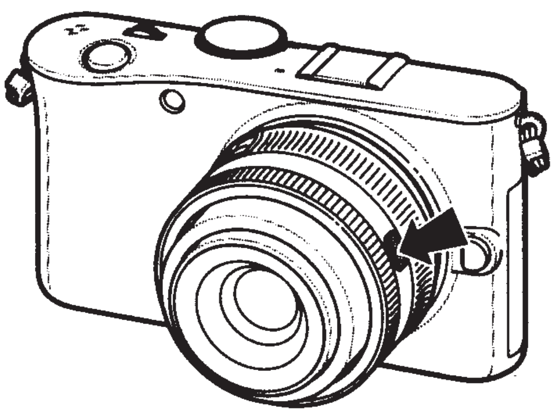
4 Half-press [**Shutter**] to save.

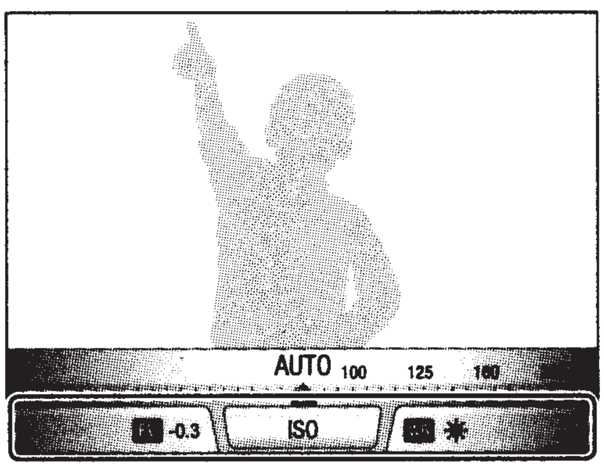
5 Fully press [**Shutter**] to take a shot.

Use i-Function in PASM modes

You can manually select and adjust shutter speed, aperture value, exposure value, ISO sensitivity, and while balance on the lens. This feature is available only when your camera supports it.

1 Press **[iFn]** on the lens to select a setting.

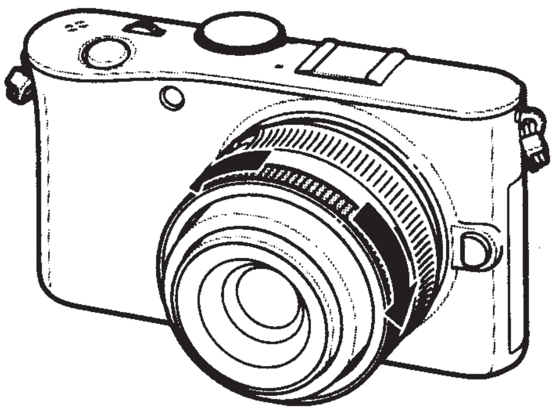


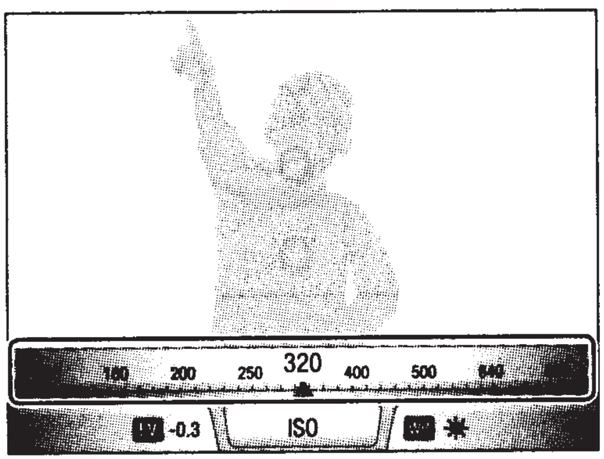


- Available settings may differ depending on the shooting mode.

Shooting mode	P	A	S	M
Shutter speed	-	-	O	O
Aperture value	-	O	-	O
Exposure value	O	O	O	-
White balance	O	O	O	O
ISO	O	O	O	O

2 Rotate the focus ring to select an option.





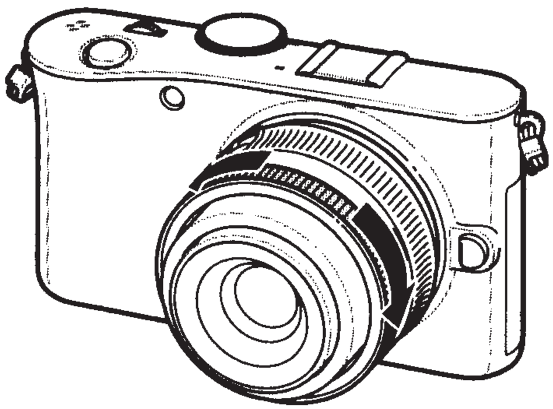
3 Half-press [**Shutter**] to save options.

4 Fully press [**Shutter**] to take a photo.

Use the focus ring

In the MF mode, you have to rotate the focus ring on the lens to focus manually. When you set the MF Assist function on the camera, you can better focus on the subject. Refer to your camera manual for details on the MF Assist function.

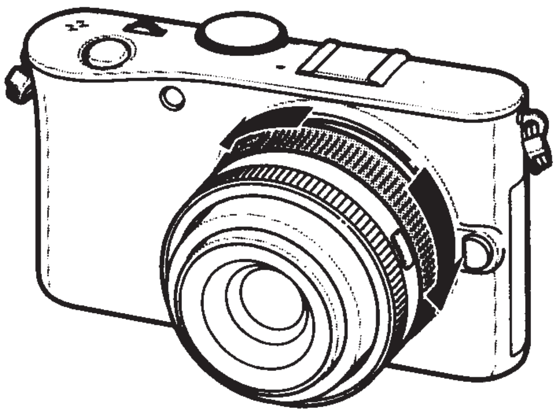
You can select a focusing mode on the camera.



Do not apply excessive force to the front of the camera while the camera is using auto focus. Doing so may cause the lens to malfunction.

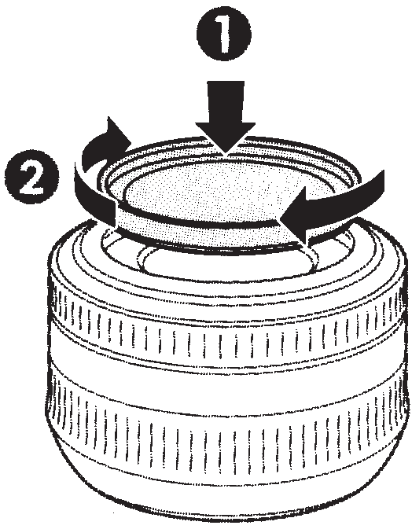
Use the zoom ring

You can use the zoom function with the Samsung 20-50 mm F3.5-5.6 ED lens. Rotate the zoom ring clockwise to take a telephoto shot or anticlockwise to take a wide shot.



Use a filter (optional)

Before putting a filter on the lens, make sure it is compatible.



Refer to "Specifications" for compatible filter size (p. 21).

- A filter is a precise optical product. Keep away from dust, dirt or scratches. Also, do not try to mount two or more filters at the same time. Doing so may deteriorate the image quality and cause vignetting.
- In case of a thick framed filter, the vignetting can occur with a wide-angle lens.

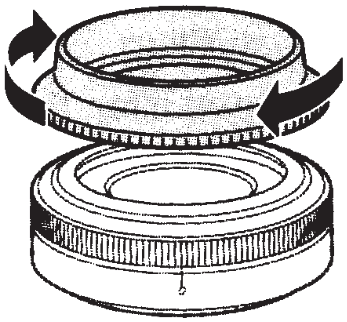
What is vignetting?
Vignetting refers to when the edges or outer parts of an image get dark or are hidden in black due to the reduced intensity of light in surroundings of the screen. It can also occur when accessories such as converters or filters are mounted, as the viewing angle of the lens is hidden.

English

Use a lens hood (optional)

To prevent deterioration of image quality due to internal reflection of light, use a lens hood. A lens hood is an optional item that is available only for the Samsung 20 mm F2.8 lens.

Install the lens hood as shown in the picture below.



When installing the lens hood, be careful not to rotate the focus ring.

Cautions when using a flash with the lens

When you use a flash in situations where the distance from a subject and the camera is close, the flash light is partially blocked by the lens, causing some parts of the photo appear dark.

Check the distance between the camera and subjects when taking photos.
Distance interrupted by the flash light may vary depending on the type of lens.

Light from the flash may be blocked by the hood. Remove the lens hood when using the flash.

Specifications

Lens Name	SAMSUNG 20-50 mm F3.5-5.6 ED	SAMSUNG 20 mm F2.8
Focus Length	20 ~ 50 mm (equivalent to 30.8 ~ 77 mm in 35 mm format)	20 mm (equivalent to 30.8 mm in 35 mm format)
Elements in Group	9 elements in 8 groups (1 aspheric lens, 1 low dispersive lens included)	6 elements in 4 groups (1 aspheric lens included)
Angle of View	70.2° ~ 31.4°	70.2°
Aperture	F3.5 ~ 5.6 (minimum: F22), (Number of Blades: 7, Circular Aperture Diaphragm)	F2.8 (minimum: F22), (Number of Blades: 7, Circular Aperture Diaphragm)
Mount Type	Samsung NX mount	Samsung NX mount
Optical Image Stabilizer	Not included	Not included
Minimum Focus Distance	0.28 m ~ infinity	0.17 m ~ infinity
Maximum Magnification	Approx. 0.22X	Approx. 0.18X

Lens Name	SAMSUNG 20-50 mm F3.5-5.6 ED	SAMSUNG 20 mm F2.8
i-Scene Mode	Supported (Beauty Shot, Portrait, Children, Backlight, Landscape, Sunset, Dawn, Beach&Snow, Night)	Supported (Backlight, Landscape, Sunset, Dawn, Beach&Snow, Night)
Lens Hood	Not included	Optional
Filter Size	40.5 mm	43 mm
Max. Diameter x Length	64 x 39.8 mm	62.2 x 24.5 mm
Weight	Approx. 119 g	Approx. 73 g
Operating Temperature	0 ~ 40 °C	0 ~ 40 °C
Operating Humidity	5 ~ 85 %	5 ~ 85 %

Specifications may change without notice for better performance.

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Planet First
RoHS Compliant

PlanetFirst represents Samsung Electronics' commitment to the sustainable development and social responsibility through eco-driven business and management activities.

MEMO

SAMSUNG

Please refer to the warranty that came with your product or visit our website http://www.samsungimaging.com/ or http://www.samsung.com/ for after-sales service or inquiries.

AD68-06644A (1.1)

English

After-Sales Service Guide

- The free of charge service period for this product is 12 months from your purchasing date.
- Please connect below website and select your country.

http://www.samsung.com
http://www.samsungimaging.com

Deutsch

Serviceführer

- Die kostenlose Serviceperiode dieses Produktes beträgt 12 Monate ab Kaufdatum.
- Bitte öffnen Sie folgende Webseite und wählen Sie Ihr Land aus.

http://www.samsung.com
http://www.samsungimaging.com

Español

Guía de post-venta

- El período de asistencia técnica gratuita para este producto es de 12 meses a partir de la fecha de compra.
- Vaya a la página que se indica a continuación y seleccione su país.

http://www.samsung.com
http://www.samsungimaging.com

Português

Guia de Serviço

- O período de serviço gratuito para esse produto é de 12 meses a partir da data de compra.
- Por favor se ligue no site Web abaixo e escolha seu país.

http://www.samsung.com
http://www.samsungimaging.com

繁體中文

售後服務指南

- 本產品的免費維修期是自購買日算起的12個月內。
- 請前往下列網站並選擇您的國家/地區。

http://www.samsung.com
http://www.samsungimaging.com

Français

Guide après-vente

- La période de garantie pour ce produit est de 12 mois à compter de la date d'achat.
- Veuillez consulter le site Web indiqué ci-dessous et sélectionner votre pays.

http://www.samsung.com
http://www.samsungimaging.com

6801-001842 (1.2)

Italiano

Guida post-assistenza

- Il periodo di assistenza gratuita per questo prodotto è di 12 mesi dalla data di acquisto.
- Si prega di collegarsi al sito web sotto indicato e selezionare il paese di appartenenza.

http://www.samsung.com
http://www.samsungimaging.com

Русский

Руководство по послепродажному обслуживанию

- Период бесплатного сервисного обслуживания, составляет 12 месяцев со дня приобретения изделия.
- Посетите Интернет-сайт, указанный ниже, и выберите Вашу страну.

http://www.samsung.com
http://www.samsungimaging.com

简体中文

售后服务指南

- 本产品的免费服务期为12个月（自购买之日起）。
- 请登录以下网站并选择所在国家/地区。

http://www.samsung.com
http://www.samsungimaging.com

한국어

애프터서비스 안내

- 이 상품의 애프터서비스 보증기한은 구입 후 12개월입니다.
- 아래 웹사이트에 접속하고 해당 국가를 선택하세요.

http://www.samsung.com
http://www.samsungimaging.com

Аксессуары для фотокамеры : Объектив, Вспышка, Бленда, Фильтр, Адаптер на байонет,GPS, Электронный видоискатель Оптический видоискатель, Вертикальная питающая рукоятка и т.д.

Самсунг Электроникс Ко. Лтд
Республика Корея, провинция Кёнсан-Намдо, г. Чангвон, 641-716, Сонджу-донг, 42

Аксессуары для фотокамеры
Батарея, Зарядка, Адаптер, Кабель, Чехол, Пульт дистанционного управления, Карта памяти, Чехол для подводной съемки, Штатив, GPS, Электронный видоискатель, Оптический видоискатель, и т.д.

Тянцзинь Самсунг Опто-Электроникс Ко. Лтд.
Китай, г. Тянцзинь, шоссе Чжинь-Ган, Индустриальный парк Микро-Электроникс, ул. Жанхен, 9

Аксессуары для видеокамеры
Тянцзинь Самсунг Опто-Электроникс Ко. Лтд.
Китай, г. Тянцзинь, шоссе Чжинь-Ган, Индустриальный парк Микро-Электроникс, ул. Жанхен, 9

Импортер : «Самсунг Электроникс Рус Компани»
«Самсунг Электроникс Рус Компани»: 125009, Россия, Москва, Б.Гнездниковский пер., 1/2.

Адрес изготовителя аксессуаров может быть изменен без предупреждения.

□ 产品名: 电池 (Battery)
□ 环保使用期限:5年
- 只有按照本产品使用说明书中的方法正常使用时,环保使用期限才能有效。

□ 产品名: 充电器 (Charger) / 系统连接底座 (Battery grip) / 导航仪(GPS) / 电子取景器(EVF) / 光学取景器(OVF) / 镜头转接环 (Lens mount adapter) / 适配器 (Adapter) / 线缆 (Cable) / 使用说明书 (Manual)
□ 环保使用期限:10年
- 只有按照本产品使用说明书中的方法正常使用时,环保使用期限才能有效。

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电池/Battery	X	○	X	○	○	○
充电器/Charger	X	○	○	○	○	○
系统连接底座/Battery grip	X	○	○	○	○	○
导航仪/GPS(Global positioning system)	X	○	X	○	○	○
电子取景器/EVF(Electronic view finder)	X	○	○	○	○	○
光学取景器/OVF(Optical view finder)	X	○	○	○	○	○
镜头转接环/Lens mount adapter	X	○	○	○	○	○
适配器/Adapter	X	○	○	○	○	○
线缆/Cable	X	○	○	○	○	○
使用说明书/Manual	○	○	○	○	○	○

○: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006规定的限量要求以下。
×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006规定的限量要求。
注: 超过限量要求的部件皆因全球技术发展水平而无法实现有毒有害物质或元素的替代,但是 Samsung 正为了开发替代技术而努力。

□ 产品名: 相机套 (Case) / 底座 (Cradle) / 遥控器 (Remote control) / 存储卡 (Memory card) / 防水相机壳 (Aqua pack) / 镜头(Lens) / 遮光罩(Lens Hood) / 吊带(Strap) / 滤色镜(Filter) / 闪光灯(Flash) / 三脚架 (Tripod)
□ 环保使用期限:10年
- 只有按照本产品使用说明书中的方法正常使用时,环保使用期限才能有效。

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
相机套/Case	X	○	○	○	○	○
底座/Cradle	X	○	○	○	○	○
遥控器/Remote control	X	○	○	○	○	○
存储卡/Memory card	X	○	○	○	○	○
防水相机壳/Aqua pack	X	○	○	○	○	○
镜头/Lens	X	○	○	○	○	○
遮光罩/Lens Hood	X	○	○	○	○	○
吊带/Strap	X	○	○	○	○	○
滤色镜/Filter	X	○	○	○	○	○
闪光灯/Flash	X	○	○	○	○	○
三脚架/Tripod	X	○	○	○	○	○

○: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006规定的限量要求以下。
×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006规定的限量要求。
注: 超过限量要求的部件皆因全球技术发展水平而无法实现有毒有害物质或元素的替代,但是 Samsung 正为了开发替代技术而努力。